

Title (en)

APPARATUS AND METHOD FOR STARTING AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ANLASSEN EINES VERBRENNUNGSMOTORS

Title (fr)

DISPOSITIF ET PROCEDE POUR LE DEMARRAGE D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1086308 B1 20030115 (EN)

Application

EP 00915067 A 20000406

Priority

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- US 28588999 A 19990407

Abstract (en)

[origin: US6125808A] An internal combustion engine has a plurality of engine cylinders with pistons which have a path of revolution therein. The one piston which is past a top dead center of its revolution at the beginning of the starting process is identified. Compressed air, at approximately 70 lb. pressure, is injected into the cylinder of that piston, forcing the piston to move such that the next piston in the firing order comes to past a top dead center position. At the same time, an ignition pulse is applied to the cylinder of the one piston for igniting any fuel which may be left in the cylinder and, in addition, fuel is injected into the fourth cylinder in the firing order from said cylinder with the one piston. This occurs for successive pistons until the engine starts.

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